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## WHAT IS CLAIMED IS:

1. A replenishing developer, comprising: 1 wt. part of a carrier and 2 - 50 wt. parts of a toner, wherein the carrier is a magnetic fine particledispersed resin carrier comprising at least inorganic compound particles and a carrier binder resin, and the toner has a weight-average particle size of 3 to 10 μm and contains 1 to 40 wt. % of solid wax.

- 2. A replenishing developer according to Claim
   1, wherein the carrier binder resin comprises a
   thermosetting resin.
- A replenishing developer according to Claim
   1, wherein the carrier binder resin comprises at least a phenolic resin.
- A replenishing developer according to Claim
   , wherein the carrier comprises a carrier core and a
   resin coating the carrier core.
  - A replenishing developer according to Claim
     wherein the coating resin comprises a silicone
     resin.

(a) . A replenishing developer according to Claim

1, wherein the carrier has a volume-average particle

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size of 15 to 60  $\mu$ m.

A replenishing developer according to Claim

1, wherein the carrier has a true specific gravity of

2.5 to 4.5.

A replenishing developer according to Claim 1, wherein the carrier has a magnetization  $(\sigma_{1000})$  as measured at a magnetic field of  $1000/4\pi$  kA/m of 15 - 65 Am<sup>2</sup>/kg (emu/g), and a residual magnetization  $(\sigma_r)$  of 0.1 - 20 Am<sup>2</sup>/kg.

9. A replenishing developer according to Claim 8, wherein the carrier has a residual magnetization  $(\sigma_{\rm r}) \mbox{ of } 0.1 - 20 \mbox{ Am}^2/\mbox{kg}.$ 

1 A replenishing developer according to Claim 1, wherein the carrier exhibits a flowability A in a magnetized state and a flowability B in a demagnetized state, satisfying B/A  $\leq$  1.5.

1 A replenishing developer according to Claim 1 , wherein the carrier exhibits A and B satisfying 1 B/A  $\leq 1.2$ .

 $\chi$ . A replenishing developer according to Claim 1, wherein the carrier has a residual magnetization  $\sigma_{r}$ 

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 $(Am^2/kg)$  and a volume-average particle size d  $(\mu m)$  satisfying:

$$1.0 \leq d/\sigma_r < 30.0.$$

N. A replenishing developer according to Claim 1, wherein the carrier has a residual magnetization  $\sigma_r$  (Am<sup>2</sup>/kg) and a volume-average particle size d ( $\mu m$ ) satisfying:

$$5.1 \le d/\sigma_r \le 12.3$$
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14. A replenishing developer according to Claim
1, wherein the inorganic compound particles comprise
magnetic particles containing at least one additive
element selected from the group consisting of
magnesium, silicon, manganese and phosphorus.

15. A replenishing developer according to Claim
14, wherein the magnetic particles contain said at
least one additive element in a total amount of 0.03 5.0 wt. % of Fe.

16. A replenishing developer according to Claim
15, wherein the magnetite particles contain at least
one metal element selected from the group consisting
of zinc, copper, nickel, cobalt, aluminum, tin,
titanium and zirconium in a total amount of 0.01 - 3.0
wt. % of Fe, and contain the additive element and the

metal element surface-exposed on the magnetite particles in a total amount of 0.01 - 1.5 wt. % of Fe.

18. A replenishing developer according to Claim

magnetic

16, wherein the magnetite particles contain the

additive element surface-exposed on the magnetic

particles in a total amount of 0.01 - 0.5 wt. % of Fe.

18. A replenishing developer according to Claim
15, wherein said at least one additive element is
divided into a first additive element of magnesium and
at least one second additive element selected from the
group consisting of silicon, manganese and phosphorus,
and said first additive element and said at least one
second additive element are contained in the magnetite
particles in a weight ratio of 1:9 to 9:1.

10. A replenishing developer according to Claim
1, wherein the inorganic compound particles have been
20 surface-treated with a lipophilizing agent.

20. A replenishing developer according to Claim
19, wherein the lipophilizing agent is a silane
coupling agent.

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2. A replenishing developer according to Claim
4, wherein the carrier core comprise particles

produced by polymerization of a polymerizable composition comprising the inorganic compound particles and a monomer providing the binder resinthrough the polymerization.

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22. A replenishing developer according to Claim

1, wherein the toner comprises toner particles
produced by polymerization.

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23. A replenishing developer according to Claim

1, for use in a developing method of developing an
electrostatic latent image on an image-bearing member
with a two-component developer comprising a toner and
a carrier stored in a developer vessel while supplying
the replenishing developer.

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24. replenishing developer according to Claim 23, which is supplied in response to a toner consumption detected by detecting a toner concentration in the developer vessel.

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25. A developing method, comprising: developing an electrostatic latent image on an image-bearing member with a two-component developer comprising a toner and a carrier stored in a developer vessel, while supplying as required a replenishing developer to the developer vessel;

wherein the replenishing developer comprises 1 wt. part of a carrier and 2 - 50 wt. parts of a toner, wherein the carrier is a magnetic fine particle-dispersed resin carrier comprising at least inorganic compound particles and a carrier binder resin, and the toner has a weight-average particle size of 3 to 10  $\mu m$  and contains 1 to 40 wt. % of solid wax.

26. A developing method according to Claim 26, wherein the replenishing developer is supplied to the developer vessel in response to a toner consumption detected by detecting a toner concentration in the developer vessel.

27. A developing method according to Claim 25, using as the replenishing developer a replenishing developer according to any one of Claims 2 - 22.

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